Enabling Business-Critical
Continuity™ for SMB Applications

IT Channel Product Catalogue Solutions that grow with your needs





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Grow your Business!

Regardless of the size of your business, you can't afford that your vital business systems to go down.

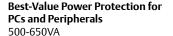
At Emerson Network Power, we have built our capabilities on delivering reliable power, precision cooling, connectivity and embedded solutions that assure Business-Critical Continuity™ for your technology investments.

Our ability to keep your network infrastructure up and running, regardless of whether the content is voice, data or multimedia, comes from a time-tested grid-to-chip portfolio of products such as Rack, PDU, Rack-Monitoring, UPS, Rack-Cooling, Cable Management, services and systems that can maintain a wide range of computing, telecom, healthcare and industrial applications. These technology offerings and deep expertise, complemented by in-depth industry knowledge support a full spectrum of enterprise-wide solutions for today's vital business needs.

With Emerson Network Power, everything from small closets and computer rooms to centralized global datacenters can capitalize on products and services designed for their individual needs. Based on the specific needs of 1-60 rack data centers, we have integrated power, cooling, monitoring and service into a pre-engineered, easy-to-order solution. Plus, we offer optional services and local expertise and support that make your solution easy to order, configure, manage and implement.



Liebert® PSP 3G





Key Benefits

- Three battery-backed UPS outlets, and one surge protection-only outlet differentiated by color
- USB port, MultiLink Software shutdown software, and USB cable
- User replaceable batteries
- Up to four minutes of battery backup time at full load. Protects against lightning, spikes and surges
- Full sequenced battery testing to ensure batteries are available when needed
- Advance early warning of UPS shutdown
- RI-45 port for data line surge protection

Applications

- Professional workstations
- Small routers and bridges
- Point-of-sale terminals
- Other sensitive electronics









Technology: Connections: Communications: Offline, VFD according to IEC62040-3 IEC plugs (input and output)

USB (all units)

Model		Runtime*	Outputs Outlets	Dimensions HxWxD	Weight	Warranty Extension +1Y
PSP500MT3-230U	500VA - 300W	11 mins	3+1	215x87x251 mm	3.9 kg	PF1UR-MU-00
PSP650MT3-230U	650VA - 390W	8 mins	3+1	215x87x251 mm	3.9 kg	PF1UR-MU-01

^{*} Runtime 50% load



Liebert® PSA



Performance Power Protection For PC's And Office Equipment 500-650-1000-1500VA

Key Benefits

- Available in four sizes, 500, 650, 1000 and 1500VA; 120VAC or 230VAC
- Three to six battery-backed UPS outlets, depending on model size
- One to two surge-only outlets, differentiated by color
- USB communications/shutdown software and cable included
- User replaceable batteries
- Up to five minutes of battery backup time at full load
- Full sequenced battery testing to ensure batteries are available when needed
- Advance early warning of UPS shutdown
- RJ-45 port for data line surge protection

Applications

- Professional Desktop PC's
- Professional Workstations
- Small Routers, Bridges & Hubs
- Point-of-Sale Terminals
- Other Sensitive Electronics









Technology: Connections: Communications: Line Interactive, VI according to IEC62040-3

IEC plugs (input and output)

USB port (all units)

Model	Power Rating	Runtime*	Outputs Outlets	Dimensions HxWxD	Weight	Warranty Extension +1Y
PSA500MT3-230U	500VA - 300W	12 mins	3+1	171x95x356 mm	5.4 kg	PF1YR-MU-01
PSA650MT3-230U	650VA - 390W	8.5 mins	3+1	171x95x356 mm	5.9 kg	PF1YR-MU-01
PSA1000MT3-230U	1000VA - 600W	12 mins	6+2	234x147x360 mm	9.5 kg	PF1YR-MU-02
PSA1500MT3-230U	1500VA - 900W	10.5 mins	6+2	234x147x360 mm	11.6 kg	PF1YR-MU-04

^{*} Runtime 50% load



Liebert® PSI



High Performance Rack & Tower UPS For Network Power Protection 750-1000-1500-2200-3000VA

Key Benefits

- Up to nine battery-backed outlets
- Configurable input voltage window
- Rotatable Display Panel
- Automatic Frequency Sensing
- Multiple Communications Options (USB, SNMP and Contact Closure)
- Data line surge protection
- Advance early warning of UPS system status
- Full sequenced battery testing
- Lightning and surge protection
- Remote emergency power off
- User replaceable hot swappable batteries
- Ample battery backup time at full load when utility fails, for an orderly shutdown of connected equipment

Applications

- PC's
- Network workstations
- Servers
- Network closets
- Large network peripherals
- VoIP



Options:







Technology: Connections: Communications: Line Interactive, VI according to IEC62040-3

IEC plugs (input and output)

USB port (all units); SNMP/WEB optional Battery Cabinets (only for XR models), Communication

cards, Rack (included) mount kits



Model	Power Rating	Runtime*	Outputs Outlets	Dimensions HxWxD		Warranty Extension +1Y
PS750RT3-230	750VA - 675W	11 mins	8	88(2U)x440x412 mm	15 kg	PF1YR-MU-03
PS1000RT3-230	1000VA - 900W	12 mins	8	88(2U)x440x412 mm	19.4 kg	PF1YR-MU-03
PS1500RT3-230	1500VA - 1350W	9 mins	8	88(2U)x440x412 mm	20.9 kg	PF1YR-MU-04
PS2200RT3-230	2200VA - 1980W	11 mins	8 + 1 C19	88(2U)x440x657 mm	33.8 kg	PF1YR-MU-05
PS3000RT3-230	3000VA - 2700W	9 mins	8 + 1 C19	88(2U)x440x657 mm	37.2 kg	PF1YR-MU-05
PS1000RT3-230XR	1000VA - 900W	15mins scal	6	88(2U)x440x490.5 mm	25 kg	PF1YR-MU-03
PS1500RT3-230XR	1500VA - 1350W	13mins scal	6	88(2U)x440x490.5 mm	28 kg	PF1YR-MU-04
PS2200RT3-230XR	2200VA - 1980W	14mins scal	6 + 1 C19	88(2U)x440x700.5 mm	42 kg	PF1YR-MU-05
PS3000RT3-230XR	3000VA - 2700W	13mins scal	6 + 1 C19	88(2U)x440x700.5 mm	46 kg	PF1YR-MU-05
PSRT3-24VBXR -	Battery Cabinet for	1000VA and	d 1500VA	88(2U)x440x490.5 mm	29 kg	-
PSRT3-48VBXR -	Battery Cabinet for	2200VA and	3000VA	88(2U)x440x490.5 mm	29.1 kg	-
	IS-WEBRT3			-	-	
	15 11251(15			-	-	-

^{*} Runtime 50% load



Liebert® GXT3

Reliable On-Line UPS Protection In A Compact Package 700-1000-1500-2000-3000VA



Key Benefits

- Up to seven battery-backed outlets
- Rotatable display panel
- Automatic frequency sensing
- Mounting flexibility
- Multiple Communications Options (SNMP/WEB & USB)
- Compatible with Liebert MultiLink, Liebert Nform, Liebert Multiport, Liebert Intellislot Relay Interface card
- Advance early warning of UPS system status
- 4-6 minutes of battery backup time at full load
- Scalable runtime
- Full sequenced battery testing
- User replaceable hot swappable batteries
- 0.9 Output Power Factor
- Wider input voltage window
- Intelligent fan operation
- Efficient operation
- Warranty protection

Applications

- PC's
- Network workstations
- Servers
- Network closets
- Large network peripherals
- VoIP









Technology: Connections: Communications: Options:

Online Double Conversion, VFI SS 111 (IEC62040-3) IEC plugs (input and output)

SNMP/WEB, Modbus and Relay Card optional Battery Cabinets, Communication cards, Rack mount

kits, Maintenance Bypass

Model	Power Rating	Runtime*	Outputs Outlets	Dimensions HxWxD	Weight	Warranty Extension +1Y
GXT3-700RT230	700VA - 630W	6 mins	6	497x430x85 mm	16.8 kg	PF1YR-MU-03
GXT3-1000RT230	1000VA - 900W	4 mins	6	497x430x85 mm	16.8 kg	PF1YR-MU-03
GXT3-1500RT230	1500VA - 1350W	4 mins	6	497x430x85 mm	23.2 kg	PF1YR-MU-05
GXT3-2000RT230	2000VA - 1800W	4 mins	6 + 1 C19	497x430x85 mm	28 kg	PF1YR-MU-05
GXT3-3000RT230	3000VA - 2700W	4 mins	6 + 1 C19	602x430x85 mm	32 kg	PF1YR-MU-06
	Extended Battery C 1000VA, 1500VA a		497x430x85 mm	32 kg	-	
GXT3-72VBATT - If for GXT3 3000VA	Extended Battery C	abinet	602x430x85 mm	42 kg	-	

^{*} Runtime 100% load



Liebert® GXT3



Reliable On-Line UPS Protection In A Compact Package 5000-6000-10000VA

Key Benefits

- Rack/tower configuration in one form factor
- Rotatable Display
- Automatic frequency detection
- User replaceable hot-swappable internal batteries
- Additional runtime with additional battery cabinets
- Liebert IntelliSlot[™] communications port
- Multiple output possibilities (hardwired and receptacles)
- Includes Windows-based configuration program
- Built-in USB communications for use with Liebert MultiLink™ Automated Shutdown Software
- Built-in closure signals
- Emergency Power Off (EPO)
- Wider input voltage window minimizes battery use
- Internal automatic and manual bypass (integrated)
- Self-diagnostics
- Standard two-year replacement warranty
- Uses minimum rack space
- Shields batteries from heat generating electronic components
- Battery cutoff voltage to prevent from overdischarge of batteries
- Up to 0.9 Power Factor

Applications

- LAN & WAN Servers
- Network Equipment
- IP Telephony Deployments
- Office Telecommunications systems
- ISDN & frame relay applications
- Test and Diagnostic Equipment
- Banks
- Micro Processor-controlled Equipment









Technology: Connections: Communications: Options: Online Double Conversion, VFI SS 111 (IEC62040-3)
Terminal block (input and output) + IEC plugs (output only)
SNMP/WEB, Modbus and Relay Card optional

Battery Cabinets, Communication cards, Rack

mount kits

Model	Power Rating		Outputs Outlets	Dimensions HxWxD	Weight	Warranty Extension +1Y
GXT3-5000RT230	5000VA - 4000W	8 mins	6xIEC C13+ 2xIEC C19	574x430x217 mm	60 kg	-
GXT3-6000RT230	6000VA - 4800W	6 mins	6xIEC C13+ 2xIEC C19	574x430x217 mm	60 kg	-
GXT3-10000RT230	10000VA - 9000W	3 mins	4xIEC C13+ 4xIEC C19	581x430x261 mm	70 kg	-
GXT3-240VBATTCE - Extended Battery Cabinet for GXT3-5000RT230, GXT3-6000RT230 574x430x130 mm					43 kg	-
CXT3-240RTVRATT - Extended Rattery Cabinet				581x430x173 mm	65 kg	-

^{*} Runtime 100% load



Liebert® GXT3

Reliable On-Line UPS Protection In A Compact Package GXT3-10000T230, 10000T220

Key Benefits

- Automatic frequency detection
- User replaceable hot-swappable internal batteries
- Additional runtime with additional battery cabinets
- Liebert IntelliSlot™ communications port
- Multiple output possibilities (hardwired and receptacles)
- Includes Windows-based configuration program
- Built-in USB communications for use with Liebert MultiLink™ Automated Shutdown Software
- Built-in closure signals
- Emergency Power Off (EPO)
- Parallelable up to 3 units
- Wider input voltage window minimizes battery use
- Internal automatic and manual bypass (integrated)
- Self-diagnostics
- Standard two-year replacement warranty
- Compact footprint
- Shields batteries from heat generating electronic components
- Battery cutoff voltage to prevent from overdischarge of batteries
- 0.9 Power Factor

Applications

- LAN & WAN Servers
- Network Equipment
- IP Telephony Deployments
- Office Telecommunications systems
- SDN & frame relay applications
- Test and Diagnostic Equipment
- Banks

Options:

■ Micro Processor-controlled Equipment









Technology: Online
Connections: Termin

Communications:

Online Double Conversion, VFI SS 111 (IEC62040-3) Terminal block (input and output)

SNMP/WEB, Modbus and Relay Card optional Battery Cabinets, Communication cards, Rack

mount kits

	Model	Power Rating	Runtime*	Outputs Outlets	Dimensions HxWxD	Weight	Warranty Extension +1Y
C	XT3-10000T230	10000VA - 9000W	3 mins	terminal block	300x675x800 mm	105 kg	-
C	XT3-10000T220	10000VA - 9000W	3 mins	terminal block	300x675x800 mm	140 kg	-
GXT3-240TBATT CE - Extended Battery Cabinet for GXT3-10000T230, GXT3-10000T220					300x675x800 mm	110 kg	-

^{*} Runtime 100% load



Liebert® NXC

Compact Reliable Power 10-15-20-30-40 kVA



Key Benefits

- 0.9 output power factor
- Double conversion efficiency up to 95%
- Eco mode efficiency up to 98%
- Input current total harmonic distortion (THDi) < 4%
- Up to 6kW/12A battery charger
- Integrated manual bypass
- Input/output and bypass circuit breakers/switches
- Integrated parallel load bus and synchronization port (LBS)

Applications

- Wiring Closets
- Server Rooms
- Medium Data Center
- Financial Institutions
- Telecom Applications







Technology: Connections: Communications: Options: Online Double Conversion, VFI SS 111 (IEC62040-3) Hardwired input & output SNMP/WEB, Modbus Card and Relay card optional Isolation Transformer. Battery Cabinets



Liebert® APM

The Optimum Solution For In-The **Row-Applications**

30-150Kva

Key Benefits

- Rack form factor
- Scalable from 30 to 150kW
- Hot Swappable
- Unitary output power factor
- Double conversion efficiency: 96%
- 4.5 kW battery charger per power per module (11A)
- Internal Battery
- High Power Density
- Parallelable up to 4 racks
- Integrated load bus synchronization (LBS)
- Full set of communications options (SNMP/web, Modbus and Relay via Intellislot card)
- LIFE.net ready

Applications

- Server Rooms
- Small to Medium Data Center
- Financial Institutions
- Telecom Applications









Technology: Connections: Communications: Online Double Conversion, VFI SS 111 (IEC62040-3)

Hardwired input & output SNMP/WEB, Modbus Card and

Relay card optional

Options: Options: Battery Cabinets & Battery Circuit Breaker



APM030-D0	LIEBERT APM with 30kW installed, no redundancy, scalable up to 150kW, 11' of backup time and web-card
APM030-01	LIEBERT APM with 30kW installed +30kW red, scalable up to 120kW and web-card
APM030-D1	LIEBERT APM with 30kW installed +30kW red, scalable up to 120kW with, 11' of backup time and web-card
APM030-10	LIEBERT APM with 30kW installed No redundancy, scalable up to 90kW and web-card
APM030-E0	LIEBERT APM with 30kW installed No redundancy, scalable up to 90kW, 24' of backup time and web-card
APM030-11	LIEBERT APM with 30kW installed +30kW redundant, scalable up to 60kW
APM030-E1	LIEBERT APM with 30kW installed +30kW redundant, scalable up to 60kW, with 24' of backup time and web-card
APM060-00	LIEBERT APM with 60kW installed, no redundancy; scalable up to 150kW and web-card
APM060-E0	LIEBERT APM with 60kW installed, no redundancy; scalable up to 150kW with 6' of backup time and web-card
APM060-01	LIEBERT APM with 60kW installed +30kW red; scalable up to 120kW and web-card
APM060-E1	LIEBERT APM with 60kW installed +30kW red; scalable up to 120kW with 6' of backup time web-card
APM060-10	LIEBERT APM with 60kW installed No redundancy, scalable up to 90kW, and web-card
APM060-F0	LIEBERT APM with 60kW installed No redundancy, scalable up to 90kW, with 9' of backup time and web-card
APM060-11	LIEBERT APM with 60kW installed +30kW redundant, scalable up to 60kW
APM060-F1	LIEBERT APM with 60kW installed +30kW red scalable up to 60kW with 9' of backup time and web-card
APM090-00	LIEBERT APM with 90kW installed, no redundancy scalable up to 150kW and web-card
APM090-G0	LIEBERT APM with 90kW installed, no redundancy scalable up to 150kW, external battery cabinet 10' runtime and web-card
APM090-01	LIEBERT APM with 90kW installed +30kW red. Scalable up to 120kW and web-card
APM090-G1	LIEBERT APM with 90kW installed +30kW red., scalable up to 120kW, external battery cabinet 10' runtime and web-card
APM090-10	LIEBERT APM with 90kW installed, no redundancy, scalable up to 90kW and web-card
APM090-F0	LIEBERT APM with 90kW installed, no redundancy, scalable up to 90kW with 5' of backup time and web-card
APM120-00	LIEBERT APM with 120kW installed, no redundancy scalable up to 150kW and web-card
APM120-H0	LIEBERT APM with 120kW installed, no redundancy scalable up to 150kW, external battery cabinet 10' runtime and web-car

LIEBERT APM with 120kW installed +30kW red. Scalable up to 120kW and web-card

LIEBERT APM with 150kW installed, no redundancy scalable up to 150kW and web-card

LIEBERT APM with 120kW installed +30kW red. Scalable up to 120kW external battery cabinet 10' runtime and web-card

LIEBERT APM with 150kW installed, no redundancy scalable up to 150kW external battery cabinet 10' runtime and web-card

APM030-00 LIEBERT APM with 30kW installed, no redundancy, scalable up to 150kW and web-card

APM120-01

APM120-H1

APM150-00

APM150-H0

Racks and Integrated Cabinets



Knürr® DCM

19" Rack Platform for Datacenter, Telecommunication and Network Technology

Key Benefits

- Lighter aluminum frame; can be taken apart
- Easier transport because lighter and take-apart
- Tilt restraint integration (optional)
- Quick and easy assembly and disassembly:
- More space and safety with integrated tilt restraint (optional)
- Ideally integrated into the rack
- Maximum safety against tilt over (optional)
- 42 + 6 usable HU Width 800 mm / Height 2000 mm
- More space due to six additional vertical HU (48 usable in the rack; width 800mm/height 2000 mm)
- More air with the biggest possible perforation; 83 % perforation in flow cross-section
- Safe and stable
- Earthquake-tested Knürr® DCM version available on request

Applications

- Data centers
- Network closets
- Telecommunication equipment

Technology: IEC standard 60297

Communications: Optional rack monitoring unit available





Knürr® DI-STRIP

Basic Rack PDUs



Key Benefits

- Socket strip modules can be easily combined using plug-in connections
- Multiple configurations available
- Plug field protected with raised casing edges
- High stability and torsional strength provided through closed sheet steel casing
- Full power for all connected equipment due to full-length brass busbar
- Simple and quick installation on the rack's extrusion, resulting in a cost reduction in installation and wiring

Applications

- Data centers
- Computer rooms
- Server racks

Communications: SNMP & Web





Liebert® MPH

Managed Rack PDU

- Liebert MPH Monitored (MPH-EB)
 Monitoring only version provides local and remote monitoring of individual PDU volts, amps, watts, and kilowatt-hours.
- Liebert MPH Metered and Controlled (MPH-EC)
 Monitoring and controlled version provides the same features
 and functionality as the MPH-EB series with the additional
 capability of remote on/off control of individual receptacles. Local
 receptacle power on-off status is provided through an LED display.

Key Benefits

- Supports mounting in 19" EIA, 42U rack environments Offered in vertical, zero U and rackmount form factors.
- The display is easily located to suit a crowded and changing rack environment.
- Provides a compatible monitoring platform for Liebert MPH and Liebert MPX, offering seamless common operation if deployed together.
- Industry's highest standard operating temperature (55C) ensures operation under high heat density conditions.
- Controls and manages individual receptacles
- Predicts overcurrent conditions before they become critical.
- Allows user to shut down non-essential equipment during power outages to maximize availability and back-up power.
- Expanded branch overload protection minimizes threat of cascading PDU overload.
- Provides metering accuracy to +/-1%, improving operational oversite and user management of connected loads.
- Optional temperature and humidity sensors allow oversight of environmental conditions.

Applications

- Data centers
- Computer rooms
- Server racks

Communications: SNMP & Web

Rack PDU

Racks and Integrated Cabinets



Adaptive Rack PDU



Key Benefits

- Allows user to add individual hot-swappable modules for capacity as demand grows.
- Offers the ability to change input capacity or configuration while maintaining Rack PDU infrastructure.
- Provides for local or remote monitoring and management of connected loads.
- Provides a compatible monitoring platform for Liebert MPH and Liebert MPX, offering seamless common operation if deployed together.
- Controls and manages individual receptacles and/or groups of loads and devices.
- Predicts overcurrent conditions before they become critical.
- Allows user to shut down non-essential equipment during power outages to maximize availability and back-up power.
- Expanded branch overload protection minimizes threat of cascading PDU overload.
- Provides the most cost-effective design available build, add on, or modify the platform design.
- Allows redeployment of modules to suit changing needs.
- Energy metering provides users the information to maximize data center power and cooling infrastructure.
- Employs energy efficient receptacle control technology.

Applications

- Data centers
- Computer rooms
- Server racks

Communications: SNMP & Web

Precision Cooling



Liebert® CRV

In-the-Row Cooling **Energy Efficient Precision Cooling** For Data Center Equipment



Key Benefits

- Horizontal airflow cooling design is suitable for non-raised or raised floors
- Air, water, glycol, GLYCOOL[™], and chilled water systems available
- Adjustable airflow baffles maximize cooling to rack equipment, and allow the system to be positioned within the row or the end of the row. Caster mounted for easy placement
- Digital scroll compressor is both reliable and energy efficient
- System provides complete environmental control-cooling, humidity control and air filtration
- Compact cabinet with high cooling capacity minimizes floorspace requirements
- Easy to install and maintain only front and back access required
- Digital scroll compressor and variable speed EC fans operate efficiently and provide a long service life

Applications

Connections:

- Rows of racks in hot aisle / cold aisle configuration
- Rack equipment requiring high density or spot cooling.

Technology: Digital scroll modulating capacity compressor, EC

electronic commutated Fans, R410a environmental

friendly refrigerant Monitoring:

Building management system integration (modbus), simple web monitoring

Bottom and top connection; casters and levelling feet to

facilitate unit placement and installation

	Description
CRV 2001	CR020RA - 23 kW - Direct Expansion air cooled (indoor unit, condenser)
CRV 3501	CR035RA - 36 kW - Direct Expansion air cooled (indoor unit, condenser)
CRV 4001	CR040RC - 40kW - Chilled Water (indoor unit)
CRV 2002	CR020RA - 23kW - Direct Expansion air cooled (indoor unit, condenser)
CRV 3502	CR035RA - 36kW - Direct Expansion air cooled (indoor unit, condenser)
CRV 4002	CR040RC - 40kW - Chille d Water (indoor unit)

Software and Monitoring Solutions



Liebert MultiLink Software

MultiLink software enables basic monitoring and graceful shutdown of all your Servers and Workstations in the event of a power failure. MultiLink is available for single one-on-one installations or for multiple systems.



Liebert Nform

The Nform software allows centralized management and control of SNMP enabled UPSs from Liebert and other vendors. Events and power related data can be tracked and messages sent in the event of a power failure or other power quality event.



SNMP and Web Monitoring

The Intellislot SNMP/Web Card provides SNMP and webbased management to your UPS. The card gives you the power to monitor and control your Liebert UPS from a Network Management Station, with Liebert's Nform or MultiLink software, or from any PC running Microsoft® Internet Explorer™. Connecting to your UPS is as simple as launching a web browser.



Liebert SiteScanWeb

Liebert SiteScanWeb supplies full-scale monitoring and control of critical support systems, first by providing the ability to gather operating information from each piece of equipment and pull it together in one central location, and then by giving you a variety of ways to do it. Liebert SiteScanWeb is a powerful hardware + software solution providing:

- Real-Time Monitoring and Control
- · Alarm/Event Management
- Data Analysis and Trend Reporting
- Building Management Interoperability

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Ensuring The High Availability Of Mission-Critical Data And Applications.

Emerson Network Power, a business of Emerson (NYSE:EMR), delivers software, hardware and services that maximize availability, capacity and efficiency for data centers, healthcare and industrial facilities. A trusted industry leader in smart infrastructure technologies, Emerson Network Power provides innovative data center infrastructure management solutions that bridge the gap between IT and facility management and deliver efficiency and uncompromised availability regardless of capacity demands. Our solutions are supported globally by local Emerson Network Power service technicians. Learn more about Emerson Network Power products and services at www.EmersonNetworkPower.com.

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Emerson Network Power™

The global leader in enabling Business-Critical Continuity™.

AC Power	Outside Plant
Connectivity	Power Switching & Controls
DC Power	Precision Cooling
Embedded Computing	Racks & Integrated Cabinets
Embedded Power	Services
Infrastructure Management and Monitoring	Surge Protection

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